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H/001/62/000/010/001/002
D286/D308

AUTHOR: None given

TITLE: From group space flight to a moon-flight

PERIODICAL: Repülés, no: 10. 1962, 8 - 9

TEXT: The significance of Vostock 3 and 4 spacecraft is discussed. Two main lessons were learned: 1) The human body can function satisfactorily under conditions of weightlessness for several days; 2) it is possible to put two spacecraft into almost identical orbits. The specially prepared food, liquid containers, oxygen supply, the removal of carbon dioxide and water vapor from the air, the possibility of high-energy radiations and the need for television transmitters in spacecraft are considered. In connection with future space flights the following points are briefly mentioned: 1) With flights of several months duration, the regeneration of water must be considered. 2) The food supply problem can be mitigated by cultivating chlorella algae aboard the spacecraft. 3) The problems arising in

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connection with earth-moon-earth spacecraft. 4) Assembly of stations in space and the possibility of constructing these stations from the Vostock rockets themselves. The latter solution would greatly reduce the problems of payload. There are 3 figures.

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